

# 10/643,958

## EAST SEARCH NOTES (cont.)

Part (I) SEARCH STRATEGY

Part (II) SEARCH RESULTS

Part (II) Results Identified As Follows

(C) DOCUMENTS CITED BY EXAMINER ON PTO-892

(1) HIGHLY RELEVANT [X-TYPE] DOCUMENTS

(2) PARTIALLY RELEVANT [Y-TYPE] DOCUMENTS

(3) BACKGROUND [A-TYPE] DOCUMENTS

(4) DOCUMENTS CITED BY APPLICANT PTO-1449

	Hits	Search Text	DBs
1	142	((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ (lens (optical ADJ system) element)) SAME ((deformable variable) NEAR3 (mirror refelector element))	USPAT; US-PGPUB
2	96	((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ (lens (optical ADJ system) element)) SAME ((deformable variable) NEAR3 (mirror refelector element))) AND (((deformable variable) NEAR3 (mirror refelector element)) WITH focus\$3)	USPAT; US-PGPUB
3	34	((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ (lens (optical ADJ system) element)) SAME ((deformable variable) NEAR3 (mirror refelector element))) AND (((deformable variable) NEAR3 (mirror refelector element)) WITH focus\$3) AND (((first NEAR2 (group unit component)) SAME (second NEAR2 (group unit component))) OR (two NEAR2 (group unit component)))	USPAT; US-PGPUB
4	2	((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ (lens (optical ADJ system) element)) SAME ((deformable variable) NEAR3 (mirror refelector element))) AND (((deformable variable) NEAR3 (mirror refelector element)) WITH focus\$3)) AND (((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ lens) SAME ((first NEAR2 (group unit component)) NEAR2 (negative diverg\$3 concave bi\$1concave)) SAME ((second NEAR2 (group unit component)) NEAR2 (positive converg\$3 convex bi\$1convex)) SAME (third NEAR2 (group unit component)))	USPAT; US-PGPUB
5	8	((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ (lens (optical ADJ system) element)) SAME ((deformable variable) NEAR3 (mirror refelector element))) AND (((deformable variable) NEAR3 (mirror refelector element)) WITH focus\$3)) AND (((first NEAR2 (group unit component)) NEAR2 (negative diverg\$3 concave bi\$1concave)) SAME ((second NEAR2 (group unit component)) NEAR2 (positive converg\$3 convex bi\$1convex)) SAME (third NEAR2 (group unit component)))	USPAT; US-PGPUB
6	3	((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ (lens (optical ADJ system) element)) SAME ((deformable variable) NEAR3 (mirror refelector element))) AND (((deformable variable) NEAR3 (mirror refelector element)) WITH focus\$3)) AND (((first NEAR2 (group unit component)) NEAR2 (negative diverg\$3 concave bi\$1concave)) SAME ((fixed stationary) NEAR4 (zoom\$3 magnification)))	USPAT; US-PGPUB
7	3	((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ (lens (optical ADJ system) element)) SAME ((deformable variable) NEAR3 (mirror refelector element))) AND (((deformable variable) NEAR3 (mirror refelector element)) WITH focus\$3)) AND (((first NEAR2 (group unit component)) NEAR2 (negative diverg\$3 concave bi\$1concave)) SAME ((fixed stationary) NEAR4 (zoom\$3 magnification)))) AND (((first NEAR2 (group unit component)) NEAR2 (negative diverg\$3 concave bi\$1concave)) SAME ((fixed stationary) NEAR4 (zoom\$3 magnification)))	USPAT; US-PGPUB
8	4	((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ (lens (optical ADJ system) element)) SAME ((deformable variable) NEAR3 (mirror refelector element))) AND (((deformable variable) NEAR3 (mirror refelector element)) WITH focus\$3) AND (((first NEAR2 (group unit component)) SAME (second NEAR2 (group unit component))) OR (two NEAR2 (group unit component)))	EPO; JPO; DERWENT
9	2	(zoom ADJ (lens (optical ADJ system))) SAME ((deformable variable) NEAR3 (mirror refelect\$3)) SAME ((first NEAR2 (group unit component)) NEAR2 (negative diverg\$3 concave bi\$1concave)) SAME ((second NEAR2 (group unit component)) NEAR2 (positive converg\$3 convex bi\$1convex)) SAME (third NEAR2 (group unit component))	USPAT; US-PGPUB
10	67	((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ (lens (optical ADJ system) element)) SAME ((deformable variable) NEAR3 (mirror refelector element))	EPO; JPO; DERWENT
11	33	((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ (lens (optical ADJ system) element)) SAME ((deformable variable) NEAR3 (mirror refelector element))) AND (((deformable variable) NEAR3 (mirror refelector element)) WITH focus\$3)	EPO; JPO; DERWENT
12	57	NAGATA-tetsuo.IN. or TAKEYAMA-tetsuhide.IN.	USPAT; US-PGPUB
13	88	NISHIOKA-kimihiko.IN.	USPAT; US-PGPUB
14	12	("4784479"   "4820028"   "4836661"   "6437925"   "6464363"   "20020018407"   "20020041445"   "20020101646"   "20020102102"   "20020118126"   "20020118464"   "20020136150").PN.	USPAT; US-PGPUB
15	33	((zoom ADJ (lens (optical ADJ system))) SAME ((deformable variable) NEAR3 (mirror refelect\$3)))	USPAT; US-PGPUB
16	5	((zoom ADJ (lens (optical ADJ system))) SAME ((deformable variable) NEAR3 (mirror refelect\$3))) ) AND ((first NEAR2 (group unit component)) SAME ((fixed stationary) NEAR3 (zoom\$3 magnification))) AND ((second NEAR2 (group unit component)) SAME (mov\$4 NEAR3 (zoom\$3 magnification)))	USPAT; US-PGPUB
17	17	((zoom ADJ (lens (optical ADJ system))) SAME ((deformable variable) NEAR3 (mirror refelect\$3)))	EPO; JPO; DERWENT
18	476	(359/676).CCLS.	USPAT; US-PGPUB
19	401	(359/683).CCLS.	USPAT; US-PGPUB
20	469	(359/689).CCLS.	USPAT; US-PGPUB
21	199	(359/690).CCLS.	USPAT; US-PGPUB
22	554	(359/726).CCLS.	USPAT; US-PGPUB
23	324	(359/846).CCLS.	USPAT; US-PGPUB
24	20	((359/726).CCLS.) ((359/846).CCLS.) AND (zoom ADJ (lens (optical ADJ system))).CLM.	USPAT; US-PGPUB

	Hits	Search Text	DBs
25	20	(((359/676).CCLS.) ((359/683).CCLS.) ((359/689).CCLS.) ((359/690).CCLS.)) AND ((deformable variable) NEAR3 (mirror refelect\$3))	USPAT; US-PGPUB
26	2	("6464363" or "6437925").PN.	USPAT; US-PGPUB
27	7	(((359/676).CCLS.) ((359/683).CCLS.) ((359/689).CCLS.) ((359/690).CCLS.)) AND ((deformable variable) NEAR3 (mirror refelect\$3)).CLM.	USPAT; US-PGPUB
28	32	(((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ (lens (optical ADJ system) element)) SAME ((deformable variable) NEAR3 (mirror refelector element))).CLM.	USPAT; US-PGPUB
29	20	(((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ (lens (optical ADJ system) element)) SAME ((deformable variable) NEAR3 (mirror refelector element))) and olympus.AS.	USPAT; US-PGPUB
30	4	(((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ (lens (optical ADJ system) element)) SAME ((deformable variable) NEAR3 (mirror refelector element))) AND (((deformable variable) NEAR3 (mirror refelector element)) WITH focus\$3) AND (((first NEAR2 (group unit component)) SAME (second NEAR2 (group unit component))) OR (two NEAR2 (group unit component))).CLM.	USPAT; US-PGPUB
31	144	(((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ (lens (optical ADJ system) element)) SAME ((deformable variable) NEAR3 (mirror reflector element)))	USPAT; US-PGPUB
32	26	((focus\$3 SAME (zoom\$3 (magnification NEAR2 chang\$3))) SAME (compensat\$3 fluctuation)) AND (((variable ADJ foc\$2 zoom vari\$1foc\$2) ADJ (lens (optical ADJ system) element)) SAME ((deformable variable) NEAR3 (mirror reflector element)))	USPAT; US-PGPUB
33	11	((focus\$3 SAME (zoom\$3 (magnification NEAR2 chang\$3))) SAME (compensat\$3 fluctuation)) AND ((US-6618209-\$ or US-6747813-\$ or US-6738199-\$ or US-6464363-\$ or US-6437925-\$).did. or (US-20040184163-\$ or US-20040179280-\$ or US-20040179148-\$ or US-20040169764-\$ or US-20040150741-\$ or US-20040136093-\$ or US-20040119867-\$ or US-20040109236-\$ or US-20040070843-\$ or US-20040066561-\$ or US-20040027685-\$ or US-20040027684-\$ or US-20040021929-\$ or US-20030214726-\$ or US-20030206352-\$ or US-20030189766-\$ or US-20030160902-\$ or US-20030117719-\$ or US-20030071969-\$ or US-20020136150-\$ or US-20020118464-\$ or US-20020041445-\$ or US-20030179464-\$).did.)	USPAT; US-PGPUB

10/643 958

10/643958

	C	1	2	3	4	Document ID ▾	Title	Current OR
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6747813 B2	Optical system and imaging device	359/726
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6738199 B2	Variable optical-property element	359/726
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6618209 B2	Optical apparatus	359/676
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6464363 B1	Variable mirror, optical apparatus and decentered optical system which include variable mirror, variable-optical characteristic optical element or combination thereof	359/846
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6437925 B1	Optical apparatus	359/726
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5091801 A	Method and apparatus for adjusting the focal length of a optical system	359/665
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4784479 A	Varifocal optical system	359/666
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4783155 A	Optical device with variably shaped optical surface and a method for varying the focal length	359/666
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4407567 A	Objective having a variable focal length	359/676
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20040184163 A1	Optical apparatus	359/726
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20040169764 A1	Electronic image pickup system	348/340
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20040136093 A1	Optical apparatus and imaging apparatus using the same	359/726
13	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20040070843 A1	Optical apparatus	359/676
14	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20040066561 A1	Zoom optical system and imaging apparatus using the same	359/676
15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20040027684 A1	Optical system, and optical apparatus	359/676
16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030189766 A1	Optical system, and optical apparatus	359/726
17	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030179464 A1	Imaging device	359/685
18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030117719 A1	Optical system and imaging device	359/726
19	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20020136150 A1	Image pickup apparatus	369/125
20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20020041445 A1	Optical apparatus	359/627